

DEPARTMENT OF AGRICULTURE

Bulletin No. 275.

LIST OF

Fertilizer and Lime Manu-
facturers and Importers

AND

Brands of Their Products for Which License to Sell in
Pennsylvania During 1916 was Taken Out Prior
to February 21, 1916.





PENNSYLVANIA FERTILIZER LAW.

AN ACT

To regulate the manufacture and sale of commercial fertilizers; prescribing penalties for its violation, and repealing an act, entitled "An act to regulate the manufacture and sale of commercial fertilizers; providing for its enforcement, and prescribing penalties for its violation," approved the twenty-fifth day of March, Anno Domini one thousand nine hundred and one.

Section 1. Be it enacted, &c., That every package of commercial fertilizer sold, offered, or exposed for sale, for manurial purposes within this Commonwealth, except the dung of domestic animals, lime, marl, and wood-ashes, shall have plainly stamped thereon the name and address of the manufacturer or importer and his place of business, the net weight of the contents of the package, the brand or trade-name of the fertilizer the package contains, and an analysis stating the percentage such fertilizer contains of nitrogen in an available form, of potash soluble in water, of soluble and reverted phosphoric acid, and of insoluble phosphoric acid.

Section 2. Every manufacturer or importer of commercial fertilizers, as specified in section one of this act, shall, on or before the first day of January of each year, or before offering them for sale in this Commonwealth, file annually with the Secretary of Agriculture a statement of the names and number of brands of such commercial fertilizers, having distinct trade-names, that he shall offer for sale during the next ensuing year, and a copy of the analysis of each one of such brands of commercial fertilizers, as required by section one of this act.

Section 3. In addition to the statement required by section two of this act, every manufacturer or importer of commercial fertilizers shall, on or before the first day of January of each year, or before offering them for sale in this Commonwealth, file annually with the Secretary of Agriculture an affidavit showing the amount of each brand of fertilizer, having a distinct trade-name, sold within the Commonwealth during the last preceding year; and if the said amount shall be one hundred tons or less, he or they shall pay or cause to be paid to the Secretary of Agriculture the

sum of fifteen dollars for each and every brand of such commercial fertilizer, having a distinct trade name sold within the State during the last preceding year: and if the said amount shall exceed one hundred tons, and be less than five hundred tons, he or they shall pay the sum of twenty dollars, as aforesaid; and if the said amount shall be five hundred tons or more, he or they shall pay the sum of thirty dollars, as aforesaid. If such manufacturer or manufacturers, importer or importers, shall not have made any sales within the Commonwealth during the preceding year, he or they shall pay the sum of fifteen dollars upon each such brand, as aforesaid: Provided, That all monies so received shall be immediately paid by the Secretary of Agriculture into the State Treasury, for the use of the Commonwealth.

Section 4. No person shall sell, offer, or expose for sale, in this State, any pulverized leather, hair, ground hoofs, horns, or wool waste, raw, steamed, roasted, or in any form, as a fertilizer, or as an ingredient of a fertilizer or manure, without an explicit statement of the fact; said statement to be conspicuously affixed to every package of such fertilizer or manure, and to accompany and go with every lot, parcel, or package of the same.

Section 5. Any person or persons selling, offering, or exposing for sale, any commercial fertilizer, or any brand of the same, having a distinct trade-name, without the analysis required by section one of this act, or with an analysis stating that it contains a larger percentage of any one or more of the above-named constituents than is contained therein, or for the sale of which all the provisions of sections two and three have not been complied with, or any person violating any of the provisions of section four of this act, shall be guilty of a misdemeanor, and, on conviction, shall be sentenced to pay a fine of not less than twenty-five nor more than one hundred dollars for the first offense, and not less than two hundred dollars for each subsequent offense. It shall be the duty of the Secretary of Agriculture to enforce the provisions of this act, and all penalties, costs, and fines recovered shall be paid to him or his duly authorized agent, and by him shall be immediately paid into the State Treasury, for the use of the Commonwealth.

Section 6. The Secretary of Agriculture is hereby empowered to collect samples of commercial fertilizers, either in person or by his duly qualified agent or representative, and to have them analyzed, and to publish the results for the information of the public; and for this purpose the said Secretary of Agriculture, such assistants, agents, experts, chemists, detectives, and counsel as he shall duly authorize, shall have full

access, ingress, and egress to and from all places of business, factories, barns, buildings, carriages, cars, and vessels, used in the manufacture and transportation, or sale, of any commercial fertilizer. They shall also have power to open any package or vessel containing or supposed to contain any commercial fertilizer, and take therefrom samples for analysis, upon tendering the value of said samples.

Section 7. The term "commercial fertilizers," as used in this act, shall be construed to mean any and every substance imported, manufactured, prepared, or sold for fertilizing or manuring purposes, except the dung of domestic animals, marl, lime, and wood-ashes, and not exempt by the provisions of section one of this act.

Section 8. This act shall go into effect on and after the thirty-first day of July, one thousand nine hundred and nine; and the act, entitled "An act to regulate the manufacture and sale of commercial fertilizers; providing for its enforcement, and prescribing penalties for its violation," approved the twenty-fifth day of March, Anno Domini one thousand nine hundred and one, is hereby repealed.

Approved—The 1st day of May, A. D. 1909.

EDWIN S. STUART.

PENNSYLVANIA BONE LAW.

AN ACT

Making it unlawful for any person, firm, or corporation, engaged in the manufacture or sale of commercial fertilizers, to use the word "bone" in connection with, or as part of the name of, any fertilizer, or any brand of the same, unless the phosphoric acid contained in such fertilizer shall be the product of pure animal bone; and providing a penalty for violation of the same.

Section 1. Be it enacted &c., That it shall be unlawful for any person, firm or corporation, engaged in the manufacture or sale of commercial fertilizers, to use the word "bone" in connection with, or as part of the name of, any fertilizer, or any brand of the same, unless the phosphoric acid contained in such fertilizer shall be the product of pure animal bone.

Section 2. Any person or persons violating the provisions of this act shall be deemed guilty of a misdemeanor, and, upon conviction thereof, shall pay a fine of fifty dollars for the first offense, and a fine of not less than one hundred dollars, nor more than two hundred dollars, for every subsequent offense; such fine or fines to be paid into the State Treasury, for the use of the Commonwealth. The Secretary of Agriculture shall, together with his deputies, agents, and assistants, be charged with the enforcement of this act.

Section 3. All magistrates, aldermen, and justices of the peace throughout this Commonwealth shall have jurisdiction to hear and determine actions arising from violations of the provisions of this act, and shall have authority to hold for court, or to impose the penalty hereby prescribed, subject to appeal, as the law shall direct.

Section 4. This act shall go into effect on the first day of January, Anno Domini nineteen hundred and ten.

Approved—The 23d day of April, A. D. 1909.

EDWIN S. STUART.

PENNSYLVANIA LIME LAW.

AN ACT

To regulate the sale for agricultural purpose of crushed limestone, lime, gypsum, and related products; defining said products; and prescribing penalties for the violation of this act.

Section 1. Be it enacted &c., That every bag, barrel, or other package or quantity, of any pulverized limestone, ground oyster shells, artificial carbonate of lime, ground lime, spraying lime, slaked-lime, hydrated lime, hydrated spraying lime, marl, gypsum, or land-plaster, sold, offered, or exposed for sale, within this Commonwealth for use as a soil amendment or as an ingredient or reagent in the preparation of any fungicide or insecticide, shall have attached to it or be accompanied, in the manner provided in section three hereof, by a plainly printed statement giving the name and address of the manufacturer or importer and his place of business, the brand or trade-name of said material, the net weight of the contents of the package, when sold in package, and a statement declaring, with respect to pulverized limestone, ground oyster shells, and artificial carbonate of lime: (a) The degree of fineness of the material, in terms of the minimum sieve-mesh, expressed in fractions of an inch, through which the coarsest particles of said material can pass; and (b) the minimum percentages contained or available oxides of calcium and magnesium, respectively, combined as carbonates; with respect to lime, ground lime, spraying lime, slaked-lime, hydrated lime, hydrated spraying lime, and marl, the minimum percentages contained of the available oxids of calcium and magnesium, respectively; and with respect to gypsum, or land-plaster, the minimum percentages contained of available calcium oxide and sulphur trioxide, or sulphuric acid (SO^3) respectively; which statement shall be held to be the guaranty of the manufacturer or importer that the goods to which said statement refers are of the kind and quality, or composition and fineness, so set forth. The provisions of this act shall not, however, apply to air-slaked lime, kiln-slaks, gas-house lime, or tanners' lime, when sold as such.

Section 2. For the purpose of this act, the materials named in the foregoing section are defined as follows:—

(1) Limestone is the rock commonly known by that name, and consisting chiefly of calcium carbonate, or of said carbonate with a smaller molecular proportion of magnesium carbonate.

(2) Pulverized limestone is limestone reduced by mechanical means to a fine powder.

(3) Artificial carbonate of lime is carbonate of lime artificially produced by any method other than the exposure of lime, ground lime, slaked-lime, hydrated lime, or spraying lime to the action of the atmosphere.

(4) Lime is the product obtained by the complete burning of limestone in a kiln, and capable of being reduced by slaking to a fine powder.

(5) Ground lime is lime reduced to a fine powder by grinding.

(6) Spraying lime is lime of high purity, containing not less than ninety-three per centum of calcium oxide and not more than five per centum of magnesium oxide not more than five per centum of carbon dioxide, nor more than five per centum of acid insoluble matters, iron and aluminum oxids, collectively.

(7) Slaked-lime is the dry finely divided product obtained by the addition of water to lime.

(8) Hydrated lime is slaked-lime prepared by the aid of stirring, or of stirring, grinding, and screening machinery, and is free from hard lumps.

(9) Hydrated spraying lime is dry finely divided hydrated lime of purity not less, after taking the water of hydration into account, than that herein required in the case of spraying lime, and of such fineness that all shall pass a standard sieve of one hundred meshes to the inch.

(10) Air-slaked lime is the more or less finely divided product obtained when lime, slaked-lime, hydrated lime, or spraying lime is exposed for a considerable time to the action of the air.

(11) Marl is clay highly charged with carbonate of lime. Shell marl is marl in which the carbonate of lime is present chiefly in the form of molluscan shells.

(12) Gypsum, or land-plaster, is the finely divided mineral, commonly known by that name, and consisting chiefly of calcium sulphate.

(13) Kiln-slaks is refuse lime mixed with ashes and "core", or imperfectly burned limestone.

(14) Gas-house lime is spent lime that has been used as a purifier in the manufacture of illuminating gas.

(15) Tanner's lime is spent lime that has been used in the curing of hides.

Section 3. The statement required by section one this act shall, in the case of goods sold in package, be plainly printed upon the package, or upon a tag or label fastened thereto, of such quality and in such manner that it shall not be detached in handling, and, in the case of goods sold in bulk, the said statement shall be delivered to the purchaser either with the invoice therefor or with the goods.

Section 4. Every manufacturer or importer of one or more of the materials named in section one of this

act, for either or both of the purposes therein stated, shall, on or before the first day of January of each year, or before offering them for sale in this Commonwealth for either of said purposes, file annually with the Secretary of Agriculture a statement of the names and number of brands of such materials having distinct trade-names that he shall offer for sale, for either or both of said purposes, during the next ensuing calendar year or remainder thereof, together with a copy of the statement declaring the composition of these several brands of said materials, as required by section one of this act.

Section 5. In addition to the statement required by section four of this act, every manufacturer or importer of any of the materials named in section one of this act shall on or before the first day of January of each year, or before offering them for sale within this Commonwealth, file annually with the Secretary of Agriculture an affidavit showing, as nearly as practicable, the weight of each brand of said materials sold by him, or, if the producer or vendor be a firm or corporation, by its managers, officers, and agents, within the Commonwealth, for either or both of the purposes named in section one of this act, during the last preceding year; and for each brand so sold he shall pay to the Secretary of Agriculture a license fee, according to the weight sold, as follows: For an amount exceeding one hundred tons, but not exceeding one thousand tons, five dollars; for an amount exceeding one thousand tons, but not exceeding five thousand tons, ten dollars; and for an amount exceeding five thousand tons, twenty dollars; and when said fees shall have been paid, and the statements required by section four of this act have been filed with the Secretary of Agriculture, the party or parties who have made such payment, and otherwise complied with the provisions of this act, shall be entitled to sell within the Commonwealth the goods specified in said statement and covered by said fees during the year, or fraction of a year, immediately following said statement. If the manufacturer or importer shall not have made during the preceding year any sales within the Commonwealth, for the aforesaid purposes, of any brand to be offered for sale during the year for which the fee is to be paid, he shall pay for each such brand a fee of five dollars. All moneys so received shall be immediately paid by the Secretary of Agriculture into the State Treasury, for the use of the Commonwealth.

Section 6. Any person or persons selling, offering, or exposing for sale, for either of the purposes stated in section one of this act, any of the materials named therein or brand of the same, unless accompanied by the statement required by section one of this act, or,

when so accompanied, if the said statements shall be false in any particular, or without having complied with all the foregoing provisions of this act, shall be guilty of a misdemeanor; and on conviction shall be sentenced to pay a fine of not less than ten nor more than fifty dollars for the first offense, and not less than one hundred dollars for each subsequent offense. It shall be the duty of the Secretary of Agriculture to enforce the provisions of this act; and all penalties, costs, and fines recovered shall be paid to him or his duly authorized agent, and by him shall be immediately paid into the State Treasury, for the use of the Commonwealth.

Section 7. The Secretary of Agriculture is hereby empowered to collect samples of the materials named in section one of this act, either in person or by his duly qualified agent or representative, to have them analyzed, and to publish the results for the information of the public; and for this purpose the said Secretary of Agriculture, such assistants, agents, experts, chemists, detectives, and counsel as he shall duly authorize, shall have full access, ingress, and egress to and from all places of business, quarries, kilns, factories, barns, buildings, carriages, cars, and vessels used in the manufacture, storage, transportation, or sale of any of the said materials. They shall also have power to open any package or vessel containing or supposed to contain any of the said materials, and to take therefrom samples for analysis, upon tendering the value of said samples. Any manufacturer or producer of any of the materials named in section one of this act, located in the Commonwealth, shall be entitled to have a single sample of any distinct brand, for the sale of which he has paid the fee required by section five of this act, analyzed by the Department of Agriculture, under such regulations as the Secretary of Agriculture may prescribe with respect to the points of composition specified in said section one, upon sending sample properly sealed and carriage prepaid, together with a fee of one dollar for each such analysis; but not more than two brands shall be analyzed, under the privilege conferred by this proviso, for one manufacturer or producer in a single year. None of the provisions of this act shall apply to sales of limestone, or limestone products or marl, when such sales are made at the quarry or pit in bulk, and delivered to the wagons of the users, who are presumed to be acquainted with the qualities of the local products.

Section 8. To carry out the provisions of this act for the period ending June first, one thousand nine hundred and seventeen, the sum of four thousand dollars (\$4,000), or so much thereof as may be necessary, is hereby specifically appropriated to the Department of Agriculture.

Section 9. This act shall go into effect on the first day of January, one thousand nine hundred and sixteen.

Approved—The 1st day of June, A. D. 1915.

MARTIN G. BRUMBAUGH.

SPECIAL NOTICE.

The attention of local dealers and manufacturers' agents selling commercial fertilizers and lime products for agricultural purposes is called to the list published herewith, of manufacturers, producers and importers, together with a list of the several brands of commercial fertilizers, chemicals and lime products they have registered for sale in this State during the year 1916.

Local dealers and agents should see that all commercial fertilizers and lime products used for agricultural purposes sold, offered, or exposed for sale by them are registered and all other requirements of the laws regulating the sale of the same are complied with for the reason that if they are sold, offered or exposed for sale in violation of these laws, they are, together with the manufacturer, liable to the penalty prescribed therein, governing the manufacture and sale of such commodities in Pennsylvania.

In the event of any claim being made by a manufacturer, importer or producer that certain brands of their products are registered and the names of such products are not contained in this list, it is the duty of agents and dealers to write to the Department and ascertain if such products have been registered subsequently to the publication of this bulletin.

This is one of the means by which such agents and dealers can protect themselves from personal liability to these Acts of Assembly.

CHAS. E. PATTON,
Secretary of Agriculture.

Harrisburg, Pa., February 21, 1916.

LIST OF FERTILIZER MANUFACTURERS AND BRANDS OF
THEIR FERTILIZERS FOR WHICH LICENSE TO SELL IN
PENNSYLVANIA DURING 1916 WAS TAKEN OUT PRIOR TO
AND INCLUDING FEBRUARY 21, 1916.

THE ALLENTOWN MANUFACTURING CO., ALLENTOWN, PA.

Special Complete Phosphate.
Special \$25.00 Phosphate.
Pure Ground Bone.
Acid Phosphate.
Quick Return Phosphate.

THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK CITY.

Apex Acid Phosphate.
14 Per Cent. Acid Phosphate.
16 Per Cent. Acid Phosphate.
18 Per Cent. Acid Phosphate.
Ammoniated Fertilizer A.
Ammoniated Fertilizer AA.
Homestead Good Grower.
Ammoniated Fertilizer AAA.
Ammoniated Fertilizer AAAA.
High Grade Ammoniated Fertilizer.
Dead Shot Phosphate 1916.
Eagle Phosphate.
Wheat, Corn & Grass Fertilizer.
Tip Top Fertilizer 1916.
General Crop Grower 1916.
Orderless Grass & Lawn Top Dressing 1916.
Complete Manure for Top Dressing 1916.
Complete Tobacco Manure 1916 (Sulphate).
American Special.
Sterling Truck & Top Dressing Mixture.
Fine Ground Bone.
High Grade Ground Bone.
Basic Lime Phosphate.
Nitrate of Soda.
Ground Tankage (6 & 30).
Ground Tankage (9 & 20).
Ground Untreated Phosphate Rock.
Dry Ground Fish.
High Grade Dried Blood.
Sulphate of Ammonia.
Dissolved Animal Bone.
Allen's Popular Phosphate 1916.
Allen's Potato & Truck Manure 1916.
Bradley's Niagara Phosphate.
Bradley's New Method Fertilizer 1916.
Bradley's B. D. Sea Fowl Guano 1916.

Bradley's Eclipse Phosphate 1916.
 Bradley's Unicorn 1916.
 Bradley's Corn Phosphate 1916.
 Bradley's Potato Fertilizer 1916.
 Bradley's Patent Superphosphate 1916.
 Bradley's Half Century Fertilizer 1916.
 Bradley's X L Superphosphate of Lime 1916.
 Bradley's Potato Manure 1916.
 Bradley's Complete Manure for Potatoes & Vegetables 1916.
 Bradley's Complete Manure for Corn & Grain 1916.
 Bradley's Special Tobacco Manure 1916 (Sulphate).
 Bradley's Golden Eagle 1916.
 Bradley's Complete Manure for Top Dressing Grass & Grain 1916
 Canton Chemical Eagle Phosphate.
 Canton Chemical Harrow Brand Crop Grower.
 Canton Chemical Baker's Special Wheat, Corn & Grass Mixture 1916.
 Canton Chemical Resurgam Guano 1916.
 Canton Chemical Potato & Vegetable Manure 1916.
 Canton Chemical Baker's Fish Guano 1916.
 Canton Chemical A-1 Special Crop Grower 1916.
 Canton Chemical Baker's Standard High Grade Guano 1916.
 Canton Chemical Superior High Grade Fertilizer 1916.
 Canton Chemical Potato & Truck Manure 1916.
 Crocker's General Crop Fertilizer.
 Crocker's Universal Grain Grower 1916.
 Crocker's Complete Manure 1916.
 Crocker's New Rival Fertilizer 1916.
 Crocker's Harvest Jewel Fertilizer 1916.
 Crocker's High Grade Special 1916.
 Crocker's Wheat & Corn Fertilizer 1916.
 Crocker's Potato, Hop & Tobacco Fertilizer 1916.
 Crocker's Ammoniated Super phosphate 1916.
 Crocker's Special Potato Fertilizer 1916.
 Crocker's Best Truck Manure 1916.
 Detrick's Paragon Ammoniated Phosphate & Potash.
 Detrick's Special Ammoniated Compound.
 Detrick's Corn & Oats Fertilizer 1916.
 Detrick's Imperial Compound 1916.
 Detrick's Standard Potash Fertilizer 1916.
 Detrick's Royal Crop Grower 1916.
 Detrick's Kangaroo Komplete Kompond 1916.
 Detrick's Boss Truck Grower 1916.
 Detrick's Quickstep Phosphate for Potatoes & Tobacco 1916.
 Detrick's Potato & Truck Manure.
 East India Economizer Phosphate 1916.
 East India Pilgrim Fertilizer 1916.
 East India Roanoke Phosphate 1916.
 East India Mayflower 1916.
 East India Unexcelled Fertilizer 1916.
 East India Corn King 1916.
 East India Potato & Garden Manure.
 W. S. Farmer & Co. Branch Dissolved S. C. Phosphate.
 W. S. Farmer & Co. Branch High Grade Superphosphate.

W. S. Farmer & Co. Branch Pelican Guano 1916.
 W. S. Farmer & Co. Branch General Crop Grower.
 W. S. Farmer & Co. Branch Clyde Brand 1916.
 W. S. Farmer & Co. Branch Harvest Queen 1916.
 W. S. Farmer & Co. Branch Standard Phosphate 1916.
 Great Eastern Dissolved Acid Phosphate.
 Great Eastern General 1916.
 Great Eastern Special Crop Fertilizer 1916.
 Great Eastern High Grade Potato Fertilizer 1916.
 Great Eastern Northern Corn Special 1916.
 Great Eastern Vegetable, Vine & Tobacco Fertilizer 1916.
 Lazaretto Ammoniated Phosphate 1916.
 Lazaretto Farmer's Choice Brand 1916.
 Lazaretto Extra Ammoniated Phosphate 1916.
 Lazaretto Special Ammoniated Compound 1916.
 Lazaretto Crop Grower 1916.
 Lazaretto Farmers' Reliable 1916.
 Lazaretto AA Superphosphate 1916.
 Lazaretto High Grade Truck Manure 1916.
 Lazaretto Complete Truck Fertilizer 1916.
 Maryland O. K. Ammoniated Fertilizer 1916.
 Maryland Ammoniated Phosphate 1916.
 Maryland Special Compound for Potatoes & Tobacco 1916.
 Michigan Carbon Works Red Line Complete Manure.
 Michigan Carbon Works General Crop Fertilizer 1916.
 Michigan Carbon Works Red Line Guano 1916.
 Michigan Carbon Works Homestead Fertilizer 1916.
 Michigan Carbon Works Homestead High Grade Garden & Vegetable Fertilizer 1916.
 Michigan Carbon Works Homestead Potato & Tobacco Fertilizer 1916.
 Milsom's Erie King Fertilizer.
 Milsom's Wheat, Oats & Barley 1916.
 Milsom's Potato & Cabbage Manure 1916.
 Milsom's Soil Enricher 1916.
 Milsom's Bison Brand 1916.
 Milsom's Buffalo Fertilizer 1916.
 Milsom's Potato, Hop & Tobacco Fertilizer 1916.
 Milsom's Corn Fertilizer 1916.
 Milsom's Medal Brand Manure 1916.
 Milsom's Truck Fertilizer 1916.
 Moro-Phillips' Farmers' Phosphate.
 Moro-Phillips' C & G Complete Fertilizer 1916.
 Moro-Phillips' Standard Guano 1916.
 Moro-Phillips' Farmers' Potato Mixture 1916.
 Moro-Phillips' Leader B & B Fertilizer 1916.
 Moro-Phillips' Pure Phuine 1916.
 Moro-Phillips' Special Fertilizer 1916.
 North Western Complete Compound 1916.
 North Western Challenge Fertilizer 1916.
 North Western Farmers' Standard 1916.
 North Western Shawnee Phosphate 1916.
 North Western Diamond Potash Mixture 1916.
 North Western Homestead Fertilizer 1916.
 North Western Complete Manure 1916.

North Western Red Line Fertilizer 1916.
 North Western Garden Manure 1916.
 Packers' Union Superior Acid Phosphate.
 Packers' Union Universal Fertilizer 1916.
 Packers' Union Superior Crop Grower 1916.
 Packers' Union Animal Corn Fertilizer 1916.
 Packers' Union Potato Manure 1916.
 Packers' Union Gardners' Complete Manure 1916.
 Quinnipiac Climax Phosphate 1916.
 Quinnipiac Mohawk Fertilizer.
 Read's Leader Fertilizer.
 Read's Practical Fertilizer 1916.
 Read's All Crops Fertilizer 1916.
 Read's Pioneer Fertilizer 1916.
 Read's Corn, Wheat & Rye 1916.
 Read's Farmers' Friend Superphosphate 1916.
 Read's Vegetable & Vine Fertilizer 1916.
 Read's High Grade Farmers' Friend Superphosphate 1916.
 Reese's Half & Half.
 Reese's Challenge Crop Grower 1916.
 Reese's Ammoniated Phosphate Mixture 1916.
 Reese's Harvest Queen 1916.
 Reese's Mayflower 1916.
 Reese's Potato Manure 1916.
 Reese's Potato & Truck Manure 1916.
 Reese's Potato & Truck Special 1916.
 Sharpless & Carpenter's No. 2 for Grain & Grass.
 Sharpless & Carpenter's Royal Spring Mixture 1916.
 Sharpless & Carpenter's Farmers' Brand Phosphate 1916.
 Sharpless & Carpenter's Potato, Corn & Truck Guano 1916.
 Sharpless & Carpenter's Complete Manure 1916.
 Sharpless & Carpenter's No. 1 Brand Phosphate 1916.
 Sharpless & Carpenter's Soluble Tampico Guano 1916.
 Sharpless & Carpenter's Fish Guano 1916.
 Sharpless & Carpenter's Vegetable & Potato Manure 1916.
 Susquehanna Crop Grower.
 Susquehanna XXV Phosphate.
 Susquehanna Ammoniated Phosphate 1916.
 Susquehanna Animal Phosphate 1916.
 Susquehanna Special Potato & Tobacco Manure 1916.
 Susquehanna Potato Phosphate 1916.
 Susquehanna High Grade Truck Mixture 1916.
 Tygert-Allen's Standard Corn & Wheat 1916.
 Tygert-Allen's Star Potato Grower 1916.
 Tygert-Allen's Standard Brand Phosphate 1916.
 Tygert-Allen's Reliable Crop Grower 1916.
 Tygert-Allen's Star Brand Phosphate 1916.
 Tygert-Allen's Soluble Marine Guano 1916.
 Wheeler's Peerless Acid Phosphate.
 Wheeler's High Grade Acid Phosphate.
 Wheeler's Royal Wheat Grower 1916.
 Wheeler's Corn Fertilizer 1916.
 Wheeler's Potato Manure 1916.

Wheeler's Superior Truck 1916.
 Williams & Clark's Prolific Fertilizer.
 Williams & Clark's Special Prolific Crop Producer.
 Williams & Clark's Elk Brand 1916.
 Williams & Clark's Royal Phosphate 1916.
 Williams & Clark's Good Grower 1916.
 Williams & Clark's Matchless Fertilizer 1916.
 Williams & Clark's Americus Corn Phosphate 1916.
 Williams & Clark's Americus Potato Manure 1916.
 Williams & Clark's Meadow Queen Fertilizer 1916.
 Williams & Clark's Americus High Grade Special for Potatoes & Root Crops 1916.
 Williams & Clark's Utility Brand 1916.
 Zell's Little Treasure.
 Zell's Economizer Phosphate 1916.
 Zell's Hustler Phosphate 1916.
 Zell's Ammoniated Superphosphate 1916.
 Zell's Truck Manure 1916.
 Zell's Special Compound for Potatoes & Vegetables 1916.

AMERICAN FERTILIZING CO., BALTIMORE, MD

American Truck & Vegetable Ammoniated Phosphate.
 American Fish & Bone Special.
 American Champion Ammoniated Super Phosphate.
 American Ammoniated Phosphate.
 American Grain & Grass Ammoniated Phosphate.
 American Grain Reliable Ammoniated Formula.
 American Special Half Per Cent. Formula.
 American Rescue Crop Compound Revised.
 American Fish & Bone Compound Revised.
 American Complete Guano.
 American Reliable Guano.
 American Grain & Grass Grower Revised.
 American Special Formula.
 American Emergency Special Compound Guano.
 American Eagle Crop Grower.
 American High Grade Acid Phosphate.
 Bob White Emergency Compound Revised.
 High Grade Acid Phosphate.
 10 Per Cent. Acid Phosphate.

ARMOUR FERTILIZER WORKS, INC., BALTIMORE, MD.

Star Phosphate 14 Per Cent.
 Acid Phosphate 16 Per Cent.
 Armour's (1½-9-0).
 Armour's (2-11-0).
 Wheat Corn & Oats Special 1-7-1.
 Armour's (2-8-1).
 Armour's (3-8-1).
 Grain Grower 2-8-2.
 Armour's (4-8-2).
 Ground Tankage 7-20.
 Bone Meal 3-22.
 Raw Bone Meal 4½-22½.
 Nitrate of Soda 18 Per Cent.

R. S. AUCKER, SHAMOKIN, PA.

Grade B. Bone & Slaughter House Phosphate.
 Grade D. Phosphate.
 Economy Phosphate.
 Pure Ground Bonemeal.

BALTIMORE FERTILIZER CO., BALTIMORE, MD.

Old Honesty.
 Honest Potato Grower.
 Honest Corn Grower.
 Honest Tankage Rock & Potash.
 Honest Acid Phosphate.

BALTIMORE PULVERIZING CO., BALTIMORE, MD.

Penniman's Special Guano No. 1.
 High Grade Potato Guano.
 Special Spring & Fall Mixture.
 Royal Compound.
 S. C. Phosphate.

BAUGH & SONS CO., PHILADELPHIA, PA.

Baugh's Raw Bone Meal—Warranted Pure.
 Baugh's Fine Ground Bone.
 Baugh's Pure Dissolved Animal Bones.
 Baugh's Pure Steamed Bone.
 Baugh's Export Bone with Potash.
 Baugh's Peninsula Grain Producer.
 Baugh's Corn and Oats Fertilizer.
 Baugh's The Old Stand-By: Dissolved Animal Base.
 Baugh's Truckers Favorite.
 Baugh's High-Grade Ammoniated Animal Base.
 Baugh's Ammoniated Super Phosphate.
 Baugh's Half and Half Mixture.
 Baugh's Animal Base and Potash Compound (For All Crops).
 Baugh's Ammoniated Soluble Alkaline.
 Baugh's Balanced Plant Food (A Superior Fertilizer for General Use).
 Baugh's Commercial Super Phosphate (For General Use).
 Baugh's Complete Animal Base Fertilizer.
 Baugh's Combination Animal Base Fertilizer.
 Baugh's Double Eagle Phosphate.
 Baugh's Excelsior Guano.
 Baugh's General Crop Grower (For All Crops).
 Baugh's Grand Rapid High Grade Guano.
 Baugh's High Grade Potato Grower ("Big Potato" Brand).
 Baugh's Effective Animal Base Manure.
 Baugh's Highly Improved Tobacco Culture Manure.
 Baugh's New Process 10 Per Cent. Guano.
 Baugh's Peruvian Guano Substitute (For Potatoes and All Vegetables).
 Baugh's Potato and Truck Special (For all Truck Crops).
 Baugh's Special Potato Manure.
 Baugh's The Wrapper Leaf Brand (A Special Manure for Seed Leaf Tobacco).

Baugh's High Grade Acid Phosphate.
 Baugh's 16 Per Cent. Acid Phosphate.
 Nitrate Soda.
 High Grade Tankage.

BERGER BROS., EASTON, PA.

Peerless Phosphate 1916.
 Lehigh Superphosphate 1916.
 Farmers Favorite 1916.
 Potato & Truck Specials 1916.

BOWKER FERTILIZER COMPANY, NEW YORK CITY.

Bowker's Superphosphate with Ammonia 1 Per Cent.
 Bowker's Superphosphate with Ammonia 2 Per Cent.
 Bowker's Superphosphate with Ammonia 3 Per Cent.
 Bowker's Superphosphate with Ammonia 4 Per Cent.
 Bowker's Staple Phosphate 1916.
 Bowker's Sure Crop Phosphate 1916.
 Bowker's Farm & Garden Phosphate 1916.
 Bowker's All Round Fertilizer 1916.
 Bowker's Hill & Drill Phosphate 1916.
 Bowker's High Nitrogen Mixture 1916.
 Bowker's Lawn & Garden Dressing 1916.
 Bowker's Ammoniated Food for Flowers.
 Bowker's Potato Phosphate 1916.
 Bowker's Crop Grower.
 Bowker's Complete Alkaline Tobacco Grower 1916 (Sul).
 Bowker's 16 Per Cent. Acid Phosphate.
 Bowker's Bone Flour for Florists' Use.
 Stockbridge General Crop Manure 1916.
 Stockbridge Early Crop Manure 1916.
 Bowker's Soluble Phosphate.
 Bowker's Ammoniated O. I. O. Phosphate.
 Bowker's Fresh Ground Bone.

CAMBRIA FERTILIZER CO., JOHNSTOWN, PA.

Pure Fine Ground Bone Dust.
 Standard Phosphate.

THE CENTRAL CHEMICAL CO., THOMAS FERTILIZER WORKS,
 HAGERSTOWN, MD.

CCC Fish Bone & Potash.
 CCC Planters Mixture.
 CCC Golden Sheaf.
 CCC Superior.
 CCC Keystone.
 CCC Golden Sheaf.
 CCC Acme Brand.
 CCC Special Bone Mixture.
 CCC Dissolved Phosphate 16 Per Cent.
 CCC Dissolved Phosphate 14 Per Cent.
 CCC Dissolved Bone.
 CCC Pride of the Valley.

THE CHESAPEAKE CHEMICAL COMPANY, BALTIMORE, MD.

- C. C. Co.'s Dissolved Phosphate 16 Per Cent.
- C. C. Co.'s Dissolved Phosphate 14 Per Cent.
- C. C. Co.'s Dissolved Phosphate 12 Per Cent.

THE COE-MORTIMER CO., NEW YORK CITY.

- E. Frank Coe's High Grade Soluble Phosphate.
- E. Frank Coe's 16 Per Cent. Superphosphate.
- E. Frank Coe's XXV Ammoniated Phosphate 1916.
- E. Frank Coe's Original Ammoniated Dissolved Phosphate 1916.
- E. Frank Coe's High Grade Ammoniated Superphosphate 1916.
- E. Frank Coe's Prolific Crop Producer 1916.
- E. Frank Coe's New Englander Special 1916.
- E. Frank Coe's Pennsylvania No. 1 Grain Special 1916.
- E. Frank Coe's Columbian Corn & Potato Fertilizer 1916.
- E. Frank Coe's Universal Fertilizer 1916.
- E. Frank Coe's Reliable Crop Grower 1916.
- E. Frank Coe's Corn King 1916.
- E. Frank Coe's Gold Brand Excelsior Guano 1916.
- E. Frank Coe's Standard Potato Fertilizer 1916.
- E. Frank Coe's Red Brand Excelsior Guano 1916.
- E. Frank Coe's Morco Top Dresser 1916.
- E. Frank Coe's Basic Fruit & Legume Phosphate (Basic Lime Phosphate) (Key-Plow Brand).
- Nitrate of Soda.
- Fine Ground Bone.

COLUMBIA GUANO COMPANY, BALTIMORE, MD.

- Columbia 14 Per Cent. Acid Phosphate.
- Columbia H. G. 16 Per Cent. Acid Phosphate.
- Columbia Reflex Ammoniated Superphosphate.
- Columbia Miracle Ammoniated Superphosphate.
- Columbia DeLuxe Ammoniated Superphosphate.
- Columbia Hornbill Ammoniated Superphosphate.
- Columbia Wheat Corn & Grass Special Fertilizer.
- Columbia Growmore Compound.
- Columbia Fertility Guano.
- Columbia Stalwart Compound.

THE CONSUMERS CHEMICAL CORPORATION, NEW YORK CITY.

- Consumer's Pure-Sure Top Dresser (With 1 Per Cent. Potash).
- Consumer's Pure-Sure Truckers Mixture (With 1 Per Cent. Potash).
- Consumer's Pure-Sure Potato Manure (With 2 Per Cent. Potash).
- Consumer's Pure-Sure Potato Manure (Without Potash).
- Consumer's Pure-Sure Potato & Vegetable (With 2 Per Cent. Potash).
- Consumer's Pure-Sure Potato & Vegetable (With 1 Per Cent. Potash).
- Consumer's Pure-Sure Potato & Vegetable (Without Potash).
- Consumer's Pure-Sure Corn & Vegetable (With 1 Per Cent. Potash).
- Consumer's Pure-Sure Corn & Vegetable (Without Potash).
- Consumer's XXX Fish & Potash Mixture.
- Consumer's Pure-Sure Plant Food.

Consumer's Pure-Sure Ammoniated Bonephosphate.
 Consumer's Pure-Sure Acid Phosphate.
 Consumers High Grade Acid Phosphate.
 Nitrate of Soda.
 Consumer's Pure-Sure Corn & Grain Bonephosphate.

JOSIAH COPE & CO., BALTIMORE, MD.

Acidulated Phosphate.
 High Grade Super Phosphate.
 Wheat & Grass Special.
 General Mixture 1916.
 Special Ammoniated Mixture 1916.
 Ammoniated Fertilizer A.
 Ammoniated Fertilizer AA.
 Ammoniated Fertilizer AAA.

HENRY COPE & CO., LINCOLN UNIVERSITY, PA.

Maryland Special.
 Ammoniated Phosphate.
 Potato & Corn Phosphate.
 Wheat Grower & Complete Manure.
 Top Dresser Phosphate.
 Acid Phosphate.
 Nitrate Soda.
 Complete Manure.

JACOB DOLD PACKING CO., BUFFALO, N. Y.

Dold Quality Bone Meal.

HENRY A. DREER, INC., PHILADELPHIA.

Dreer's Peerless Plant Food, Revised.

THE DUNGAN FERTILIZER CO., DOYLESTOWN, PA.

Pebble Hill Home Made Animal Mixture.
 Potato Manure.
 Farmers Favorite.
 Bone Flour.

AMOS EBY & CO., LEAMAN PLACE, PA.

Pequa Economy.
 Pequa Ammoniated.
 Pequa Valley Fertilizer.
 Pequa High Grade.

F. C. EISEMAN, MEADVILLE, PA.

General Crop Grower.

THE ERIE REDUCTION CO., ERIE, PA.

Erie Grain Special.
 General Crop Special.
 Acidulated Fish Special.

EUREKA CHEMICAL CO., BALTIMORE, MD.

Eureka Farmers' Favorite.
 Eureka Dissolved Animal Base.
 Eureka Grain & Grass.
 Eureka Fish & Potash.
 Eureka Potato & Vegetable.

THE EUREKA FERTILIZER CO., LANCASTER, PA.

Grain and Grass.
 Farmers' Favorite.

FARMERS FERTILIZER & FEED CO., WESTMINSTER, MD.

High Grade Phosphate.
 No. 3 Phosphate.
 XX Phosphate.
 Carroll Phosphate.
 Acid Phosphate.

FARMERS FERTILIZER, SEED & HAY CO., WOMELDSORF, PA.

Grass & Grain Grower.

FARMERS FERTILIZER WORKS, ELIZABETHTOWN, PA.

High Grade.
 Pride of Donegal.
 Special Compound.
 Tobacco Special.
 Farmers Club Brand.
 Farmers Golden Sheaf.
 Farmers Crop Grower.

FEDERAL CHEMICAL COMPANY, COLUMBIA, TENN.

Daybreak Tennessee Brown Phosphate Rock.

JOSEPH R. GAWTHROP, KENNETT SQUARE, PA.

Special Potato Phosphate.
 Ammoniated Special Phosphate for Corn, Oats and Wheat.
 Champion Fertilizer for Wheat and Grass.

J. C. GERBIG & SON, CHAMBERSBURG, PA.

Pure Ground Bone.

GRIFFITH & BOYD CO., BALTIMORE, MD.

Harvest Queen Phosphate.
 Ammoniated Bone Phosphate.
 Fish, Bone & Potash.
 Special Royal Guano.
 Truckers Stable Manure.
 High Grade Acid Phosphate.
 Peerless Fertilizer.
 Pure Fine Ground Bone Meal.

Soft Ground Bone Meal.
 Pure Dissolved Animal Bone.
 Farmers Potato & Tomato.
 Fish & Bone Mixture.
 Farmers Bone Mixture.
 Peerless Mixture.
 Queen Guano.
 Cereal Plant Food.

HAFLEIGH & COMPANY, PHILADELPHIA.

Pure Raw Bone Meal.

S. M. HESS & BROTHER, INC., PHILADELPHIA, PA

High Grade Acid Phosphate.
 Special High Grade Acid Phosphate.
 Standard Super Phosphate.
 Reliable Super Phosphate.
 Keystone Phosphate.
 Special Corn Manure 1916.
 Wheat and Grass Manure 1916.
 Farmers' General Fertilizer 1916.
 Reliable Potash Mixture 1916.
 Ammoniated Super Phosphate 1916.
 Fish and Potash Manure 1916.
 Big Crop Fertilizer 1916.
 Potato Manure 1916.
 Special High Grade Fertilizer 1916.
 Superior Super Phosphate.

PHILIP HOFFMAN & BRO., RAUBSVILLE, PA.

Hoffman's Grain & Corn.
 Hoffman's Potato & Truck.

THE HUBBARD FERTILIZER COMPANY, BALTIMORE, MD.

Hubbard's 16 Per Cent. Phosphate.
 Hubbard's 14 Per Cent. Phosphate.

M. P. HUBBARD CO., INC., BALTIMORE, MD.

Hubbard's Domino Compound.
 Hubbard's Good & Cheap.
 Hubbard's Big Jim Compound.
 Hubbard's Dissolved Phosphate.
 Hubbard's Soluble Phosphate.
 Hubbard's Atlas Guano.
 Hubbard's Great Harvest.
 Hubbard's Slaughter House Formular.

J. L. HUNTER & SON, PITTSBURGH, PA.

Exeter Tankage.

INTERNATIONAL AGRICULTURAL CORPORATION, BUFFALO FERTILIZER WORKS, BUFFALO, N. Y.

Buffalo Top Dresser.
 Buffalo High Grade Manure.
 Buffalo Truck and Onion.
 Buffalo Garden Truck.
 Buffalo Economy.
 Buffalo Vegetable and Potato.
 Buffalo Grain Special.
 Buffalo General Favorite.
 Buffalo Ideal Wheat and Corn.
 Buffalo Ammoniated Phosphate.
 Buffalo Farmers' Choice.
 Buffalo Sixteen Per Cent.
 Buffalo Dissolved Phosphate.
 Buffalo Bone Meal.
 Buffalo Garbage Tankage.

THE JARECKI CHEMICAL CO., SANDUSKY, OHIO.

Lake Erie Guano with Phosphate & Potash.
 Number One Formula.
 Little Giant.
 Tobacco and Truck Grower.
 Raw Bone and Phosphate Mixture.
 Cereals.
 Ammoniated Phosphate.
 C. O. D. Phosphate.
 Pure Ground Bone.

T. S. KENDERDINE & SONS, NEWTOWN. PA.

Kenderdine B. Phosphate.
 Kenderdine Potato Phosphate.
 Kenderdine 4-10-0. Phosphate.
 Kenderdine Ammoniated Phosphate.
 Kenderdine Nitrate of Soda.

KEYSTONE BONE FERTILIZER COMPANY, PHILADELPHIA, PA.

1916 Keystone Economy Grain Compound.
 1916 Keystone Special Penna. Grain Mixture.
 1916 Keystone Ammoniated Superphosphate.
 1916 Keystone Grain & Grass Manure.
 1916 Keystone General Manure.
 1916 Keystone Royal Corn & Potato Manure.
 1916 Keystone Standard Potato Manure.
 1916 Keystone Corn & Cereal Grower.
 1916 Keystone Extra Potato Manure.
 1916 Keystone Spureme Potato & Truck Manure.
 Keystone 14 Per Cent. Acid Phosphate.

FOR KEYSTONE GRANGE EXCHANGE, MANSFIELD, PA.

Grangers Brand.
 Grangers Choice.
 Grangers Special Crop Grower.
 Grangers Emergency Compound.
 Grangers Best Mixture.
 16 Per Cent. Acid Phosphate.

KIRKE CHEMICAL CO., INC., BROOKLYN, N. Y.

Kirke Fertilizer.

THE LANCASTER BONE FERTILIZER CO., LANCASTER, PA.

Potato, Tobacco and Truck Manure.
 Scientific Organic Compound.
 Potato, Fruit and Vegetable.
 Lancaster Favorite.
 Corn, Grass and Wheat Special.
 Ammoniated Bone Manure.
 Special Guano.
 Keystone Standard.
 National Crop Grower.
 Grange Special.

THE LANCASTER CHEMICAL COMPANY, LANCASTER, PA.

No. 1 Tobacco and Vegetable.
 No. 2 Dewey Brand.
 No. 3 Dissolved Animal Bone and Potash.
 No. 4 Rising Sun.
 No. 5 Flag Brand.
 No. 6 Grain Special.
 No. 8 Acid Phosphate.
 No. 9 Bone Meal.
 No. 10 Economist.
 No. 11 Keystone Brand.
 No. 14 Wheat and Grass.
 No. 15 General Crop Special.
 No. 16 Phosphoric Acid Special.
 No. 17 Wrapper Leaf Special.
 No. 18 Success Brand.
 No. 19 Potato Special.

LEBANON FERTILIZER WORKS, HARRY D. LEVAN, PROPRIETOR,
LEBANON, PA.

Levan's Special Corn Fertilizer.
 Levan's General Crop Grower Fertilizer.
 Levan's Potato & Tobacco Fertilizer.
 Levan's Grain Grower Fertilizer.
 Levan's Acid Phosphate.
 Levan's Pure Fine Ground Bone Meal.
 Levan's Animal Tankage.

LISTERS AGRICULTURAL CHEMICAL WORKS, NEWARK, N. J

Listers Pennsylvania Special 1916.
 Listers Reliance 1916.
 Listers Standard Pure Superphosphate of Lime 1916
 Listers Potato Manure 1916.
 Listers Potato & Corn No. 2 Fertilizer 1916.
 Listers Cauliflower & Cabbage Fertilizer 1916.
 Listers Ammoniated Dissolved Superphosphate 1916.
 Listers Vegetable Compound 1916.
 Listers Success Fertilizer 1916.
 Listers Special Wheat Fertilizer 1916.
 Listers Wheat & Rye Fertilizer 1916.
 Listers High Grade Grain Grower 1916.
 Listers Valley Brand Fertilizer 1916.
 Listers Harvest Queen Phosphate 1916.
 Listers Special Tobacco Fertilizer 1916.
 Listers Lawn Fertilizer 1916.
 Listers Special Crop Producer 1916.
 Listers U S Superphosphate 1916.
 Listers Buyer's Choice Acid Phosphate.
 Listers Golden Sheaf 1916.
 Listers New York Special Fertilizer 1916.
 Listers Corn & Potato Fertilizer 1916.
 Listers High Grade Acid Phosphate.
 Listers Squirrel Brand Fertilizer 1916.
 Listers Plant Food 1916.
 Listers Crescent Ammoniated Superphosphate 1916.
 Listers Excelsior Guano 1916.
 Listers Superior Ammoniated Superphosphate 1916.
 Listers Atlas Brand Fertilizer 1916.
 Listers Bone Meal 1916.
 Listers Celebrated Ground Bone & Tankage Acidulated.

FREDERICK LUDLAM CO., NEW YORK CITY.

Ludlam's Cecrops Fertilizer Dissolved Phosphate.
 Ludlam's Cecrops Fertilizer High Grade Dissolved Phosphate.
 Ludlam's Cecrops Fertilizer C. & G. Brand 1916.
 Ludlam's Cecrops Fertilizer No. 2 for Grain & Grass.
 Ludlam's Cecrops Fertilizer Harvest Queen 1916.
 Ludlam's Cecrops Fertilizer All Crop Fertilizer 1916.
 Ludlam's Cecrops Fertilizer A B F Brand 1916.
 Ludlam's Cecrops Fertilizer Special Guano 1916.
 Ludlam's Sickle Fertilizer No. 1, 1916.
 Ludlam's Sickle Fertilizer No. 2, 1916.
 Ludlam's Sickle Fertilizer No. 3, 1916.

THE MAPES FORMULA & PERUVIAN GUANO CO., NEW YORK CITY.

Mapes Potato Manure (War Brand).
 Mapes Tobacco Starter Improved.
 Mapes Tobacco Manure (War Brand).
 Mapes General Special (War Brand).
 Mapes Top Dresser Full Strength (War Brand)

Mapes Top Dresser Half Strength (War Brand).
 Mapes Corn Manure (War Brand).
 Mapes Cereal Brand (War Special).
 Mapes General Crop (War Special).

MARTIN FERTILIZER CO., PHILADELPHIA, PA.

Martin's Early Truck & Vegetable Grower.
 Martin's Bull Head Fertilizer.
 Martin's Corn & Cereal Special.
 Martin's Dissolved Organic Compound.
 Martin's Sure Grower.
 Martin's Crop Producer.
 Martin's Pure Raw Bone Meal.
 Martin's Pure Ground Bone.
 Martin's Pure Dissolved Animal Matter.
 Martin's Acid Phosphate.
 Martin's Ammoniated Phosphate.

HENRY F. MICHELL CO., PHILADELPHIA, PA.

Michell's High Grade Ammoniated Phosphate.
 Pure Raw Bone Meal Special Grade.
 Hi-Grade Potato Phosphate.
 Michell's Fine Ground Bone Meal.

THE MILLER FERTILIZER COMPANY, BALTIMORE, MD.

Standard Phosphate.
 Ammoniated.
 Harvest Queen.
 M. B. S.
 Hustler Phosphate.
 Club Brand.
 W. G. Phosphate.
 Farmers Profit.
 Pimlico.
 Potato & Vegetable Grower.
 Acid Phosphate 14 Per Cent.
 Ground Bone.
 Special Tobacco Grower.
 Millers No. 1 Special.
 Millers No. 2 Special.
 Pure Dissolved Bone.

MT. PLEASANT FERTILIZER COMPANY, MT. PLEASANT, TENN.

Fine Ground Phosphate Rock.

NASSAU FERTILIZER COMPANY, NEW YORK CITY.

Soluble Phosphate.
 High Grade Superphosphate.
 Old Hickory 1916.
 Common Sense Fertilizer 1916.
 Ammoniated Potato Compound.

Ammoniated Truck Producer.
 Wheat & Grass Grower 1916.
 Special Mixture 1916.
 General Favorite 1916.
 Plow Brand 1916.
 Big Yield 1916.
 Potato Manure 1916.
 Nassau Special 1916.
 Gladiator Truck & Potato 1916.

NEW YORK STABLE MANURE CO., JERSEY CITY, N. J.

Diamond Brand—Dried Ground Compost.

NITRATE AGENCIES COMPANY, NEW YORK CITY.

High Grade Acid Phosphate 16 Per Cent.
 High Grade Acid Phosphate 14 Per Cent.
 Dried Blood 16 Per Cent.
 Ground Tankage 7-15 Per Cent.
 Ground Bone 3-50 Per Cent.
 High Grade Genuine Peruvian Guano.
 Nitrate of Soda.
 Pescadores High Grade Genuine Peruvian Guano.
 High Grade Ground Fish.

NORTHWAY & PECK, EAST ORWELL, OHIO.

16 Per Cent. Available Phosphoric Acid.

G. OBER & SONS CO., BALTIMORE, MD.

Obers Sun Beam Guano.
 Obers Electro Compound.
 Obers Star Vegetable Compound.
 Obers Red King Guano.
 Nitro Potash Compound.
 Independent Ammoniated Phosphate.
 Dissolved Phosphate 14 Per Cent.

ODORLESS EXCAVATING & MANUFACTURING CO., JOSEPH SMITH TRADING AS THE, GERMANTOWN, PHILADELPHIA, PA.

Poudrette.

OXFORD PACKING WORKS, OXFORD, PA.

O. P. W. No. 1.
 O. P. W. No. 2.

OYLER & SPANGLER, GETTYSBURG, PA.

Special.
 Gettysburg.

PATAPSCO GUANO CO., BALTIMORE, MD.

Patapsco Hay Maker.
 Patapsco Special Early Trucker 1916.
 Patapsco Timothy & Clover Top Dressing 1916.
 Patapsco Prolific Potato Phosphate 1916.
 Patapsco Columbian Guano for Truck, Potatoes & Tobacco 1916.
 Patapsco Guano 1916.
 Patapsco Tobacco & Potato Fertilizer 1916.
 Patapsco Special Potato Manure 1916.
 Grange Mixture 1916.
 Planters Favorite 1916.
 Patapsco Corn & Tomato Fertilizer 1916.
 Coon Brand Guano 1916.
 Patapsco Money Maker 1916.
 Sea Gull Guano.
 Patapsco General Crop Producer.
 Patapsco B. B. & P. Brand 1916.
 Patapsco Golden Crop Fertilizer 1916.
 Patapsco Ammoniated Compound.
 Patapsco Dissolved Phosphate.
 Patapsco High Grade Acid Phosphate.
 Patapsco Pure Dissolved S. C. Phosphate.

PIEDMONT-MT. AIRY GUANO CO., BALTIMORE, MD.

Piedmont 14 Per Cent. Acid Phosphate.
 Piedmont 16 Per Cent. Acid Phosphate.
 Piedmont Special Crop Grower.
 Piedmont Utility Fertilizer.

PITTSBURGH PROVISION & PACKING COMPANY, PITTSBURGH, PA

No. 1 Pure Raw Bone Meal.
 Pure Raw Bone Meal.
 Crescent Butchers' Ground Bone.
 Pure Bone & Meat.
 Keystone Fertilizer.
 Lawn Fertilizer.
 Guano Fertilizer.
 Acid Phosphate.
 Nitrate of Soda.
 Pure Bone with Potash.
 Pure Bone without Potash.
 Smiths' Grower, manufactured for A. W. Smith Co., Pittsburgh, Pa.

THE POLLOCK FERTILIZER CO., By The American Agricultural Chemical Co.
BALTIMORE, MD.

The Pollock Fertilizer Co. Dissolved S. C. Phosphate.
 The Pollock Fertilizer Co. High Grade Super Phosphate.
 The Pollock Fertilizer Co. Corn & Oats Special 1916.
 The Pollock Fertilizer Co. Corn, Wheat & Tomato Guano 1916.
 The Pollock Fertilizer Co. Ammoniated Super Phosphate 1916.
 The Pollock Fertilizer Co. Special Potato & Tobacco Fertilizer 1916.
 The Pollock Fertilizer Co. Ammoniated Fertilizer A.
 The Pollock Fertilizer Co. Ammoniated Fertilizer AA.
 The Pollock Fertilizer Co. Ammoniated Fertilizer AAA.

PUGH & LYONS, OXFORD, PA.

Ground Raw Bone.
B. R. P. Phosphate.

RASIN-MONUMENTAL CO., BALTIMORE, MD.

Rasin's Potato & Vegetable Ammoniated Super Phosphate.
Rasin's Matchless Ammoniated Phosphate.
Rasin's Special Fish & Bone Guano.
Rasin's Special Crop Preparation.
Rasin's United Grain Ammoniated Super Phosphate.
Rasin's Grain & Grass Ammoniated Super Phosphate.
Rasin's Royal Ammoniated Super Phosphate.
Rasin's Half & Half Special.
Rasin's Empire Complete Compound.
Rasin's Home Run Guano Revised.
Rasin's Emergency Royal Fish Bone & Potash.
Rasin's Seawall Grain Compound.
Rasin's Capitol Crop Compound Revised.
Rasin's Royal Manure.
Rasin's Empire Guano.
Rasin's 16 Per Cent. Acid Phosphate.
Rasin's Acid Phosphate.
Rasin's Seawall Special.
Wm. Penn Crop Grower.

READING BONE FERTILIZER COMPANY, READING, PA.

High Grade Truck Food.
Truck, Fruit, Tree, Vine, Potato & Tobacco Grower.
Reading Soil Enricher.
Reading Prize Winner.
Tobacco & Truck Special.
Reading All Crop Special.
Animal Tankage Mixture.
Reading Harvest Queen.
Reading Special Potato & Tobacco Manure.
Never Fail Crop Grower.
Dissolved Animal Matter.
Reading Special Grain & Grass Producer.
Schuylkill Valley Favorite.
16 Per Cent. Acid Phosphate.
Soluble Dissolved Phosphate.
Pure Raw Bone.
Pure Bone Meal.
Nitrate of Soda.

READING CHEMICAL CO., READING, PA.

Reading Grain Special.
Farmers Meat & Potash Mixture.
Farmers Favorite.
Reading Big Crop Special.
Reading Soil Builder.

Pennant Winner.
 Early Truck, Tobacco & Potato.
 High Grade Phosphate.
 Reading Clear Acid Phosphate.

ROBERT A. REICHARD, ALLENTOWN, PA

Special Manure.
 Raw Bone Meal.
 Steamed Bone Meal.
 Surpass Phosphate.
 Gilt Edge Phosphate.
 Farmers' Choice Phosphate.
 American Eagle Phosphate.
 Acid Phosphate.

F. S. ROYSTER GUANO CO., BALTIMORE, MD.

Royster's 14 Per Cent. Acid Phosphate.
 Royster's H. G. 16 Per Cent. Acid Phosphate.
 Royster's Royal Blue Ammoniated Superphosphate.
 Royster's Penguin Ammoniated Superphosphate.
 Royster's Flamingo Ammoniated Superphosphate.
 Royster's Curfew Ammoniated Superphosphate.
 Royster's Cuckoo Crop Grower.
 Royster's Logical Compound.
 Royster's Old Faithful Phosphate.
 Royster's Drillwell Phosphate.
 Royster's Defender Fertilizer.
 Royster's Pure Raw Bone Meal.
 Royster's Fine Ground Bone Meal.
 Nitrate of Soda.

SCHAAL-SHELDON FERTILIZER CO., BUFFALO, N Y.

Dissolved Phosphate.
 Soluble Phosphate.
 Ammoniated Superphosphate No. 1.
 Ammoniated Superphosphate No. 2.
 Ammoniated Superphosphate No. 3.
 Ammoniated Superphosphate No. 4.
 Farmers' Favorite 1916.
 Guano 1916.
 Grass, Wheat & Oats 1916.
 Schaal's Standard 1916.
 Schaal's Corn & Potato 1916.
 General Fertilizer 1916.
 Truckers' Manure 1916.
 Eureka 1916.
 Excelsior 1916.

THE SCOTT FERTILIZER COMPANY, ELKTON, MD.

Scott's Sure Growth Compound.
 Scott's Potato Grower.
 Scott's Sure Growth Superphosphate.
 Scott's Potato & Truck.
 Scott's Ammoniated Superphosphate.
 Scott's Ammoniated Base.
 Scott's Special Grain Grower.
 Scott's Pure Ground Raw Bone.
 Scott's Tip Top Soluble Phosphate.

SHARON RENDERING & FERTILIZER WORKS, SHARON, PA

Enterprise Phosphate.
 Glue Phosphate.
 16 Per Cent. Acid Phosphate.

M. L. SHOEMAKER & CO., LTD., PHILADELPHIA, PA.

Swift-Sure Super Phosphate for Tobacco and General Use.
 Swift-Sure Guano for Tomatoes, Truck & Corn.
 Echo Super Phosphate.
 Swift-Sure Bone Meal.
 Shoemaker's Pure Raw Bone Meal.

F. A. SIMONS BROS., CORNWELLS, PA.

The Farmers Favorite High Grade Phosphate for Truck and Corn.

SMITH AGRICULTURAL CHEMICAL CO., COLUMBUS, OHIO.

Smith's General Crop Fertilizer.
 Smith's Corn, Oats & Wheat Fertilizer.
 Smith's Ammoniated Phosphate & Potash.
 Smith's Wheat Maker Seeding Down.
 Smith's 16 Per Cent. Acid Phosphate.
 Smith's Ground Bone.

THE SOUTHERN FERTILIZING CO., by The American Agricultural Chemical Co., YORK PA.

Southern Fertilizing Co. Dissolved Phosphate.
 Southern Fertilizing Co. High Grade Super Phosphate.
 Southern Fertilizing Co. General Crop Grower 1916.
 Southern Fertilizing Co. Farmers Choice Brand 1916.
 Southern Fertilizing Co. Special Potato Grower 1916.
 Southern Fertilizing Co. Wheat, Corn & Grass Grower 1916.
 Southern Fertilizing Co. Queen of the Harvest 1916.
 Southern Fertilizing Co. Ammoniated Dissolved Fertilizer 1916.

SWACK'S FERTILIZER WORKS, INC., DUBOIS, PA.

Swack's Grain & Corn.
 Swack's General Crop Grower.
 Swack's Wheat.
 Swack's Potato & Truck.
 Swack's Special Potato.

Swack's Corn Special.
 Swack's Grain Grower.
 Swack's High Grade Tankage.
 Swack's Acid Phosphate 16 Per Cent
 Swack's Acid Phosphate 14 Per Cent.
 Swack's Lime Phosphate & Potash.

I. P. THOMAS & SON CO., PHILADELPHIA, PA.

Tip Top Fertilizer.
 Farmers Choice Fertilizer.
 Champion Phosphate.
 Normal Fertilizer.
 Victor Potash Fertilizer.
 Thomas Wheat & Corn Fertilizer.
 Thomas 1 Per Cent. Organic Fertilizer.
 Truckers High Grade Manure.
 Fish Guano.
 Thomas 4 Per Cent. Organic Fertilizer.
 Improved Fertilizer.
 Superior Super Phosphate.
 16 Per Cent. Acid Phosphate.
 S. C. Phosphate.
 Pure Ground Bone.
 Nitrate Soda.

J. M. TEMPLIN, HONEYBROOK, PA.

No. 6 Phosphoric Acid Special.
 No. 4 Atlas Brand.

TRENTON BONE FERTILIZER COMPANY, TRENTON, N. J.

Bone & Tankage.
 4-8 Potato.
 4-10 Potato.
 Sweet Potato & Corn.
 Special Grain.
 Oats Mixture.
 Pure Fine Ground Bones.

F. W. TUNNEL & COMPANY, INC., PHILADELPHIA, PA.

1916 Lightning Guano.
 1916 No. 1 Potato & Truck Manure.
 1916 No. 2 Potato & Truck Manure.
 1916 Potato & Vegetable Manure.
 1916 Fish Manure.
 Wheat Grower.
 1916 Excelsior Phosphate.
 1916 Raw & Acidulated Animal Compound.
 Pure Ground Bone.

JACOB TRINLEY & SONS, LINFIELD, PA.

Pure Raw Bone Meal.
 Favorite Phosphate.
 Grain & Grass Grower.
 Special Potato Manure.
 Acid Phosphate.

TUSCARORA FERTILIZER CO., BALTIMORE, MD.

Acid Phosphate 14 Per Cent.
 Acid Phosphate 16 Per Cent.
 Tuscarora's (1½-9-0).
 Tuscarora's (2-11-0).
 Ammoniated Phosphate 1-7-1.
 Standard 2-8-2.
 Tuscarora's (2-8-1).
 Tuscarora's (3-8-1).
 Nitrate of Soda 18 Per Cent.
 Animal Bone 3-22.

THE J. E. TYGERT CO., By The American Agricultural Chemical Co., PHILADELPHIA, PA.

14 Per Cent Acid Phosphate.
 16 Per Cent. Acid Phosphate.
 18 Per Cent. Phosphate.
 Ammoniated Fertilizer A.
 Ammoniated Fertilizer AA.
 Prolific Phosphate 1916.
 Popular Phosphate.
 Golden Harvest Phosphate 1916.
 Quaker Special Fertilizer 1916.
 Standard Fertilizer 1916.
 Vegetable & Corn Fertilizer 1916.
 Old Reliable Phosphate 1916.
 Special Potato & Tomato Guano 1916.
 Premium Manure 1916.
 Early Truck Guano 1916.
 Paramount Potato & Truck Manure 1916.
 High Grade Special Fertilizer.
 Beacon Brand.

UNION CHEMICAL WORKS, INC., NORTH WALES, PA.

Raw Bone Meal.
 Bone Meal.
 Eastern Trucker.
 Animal Bone with Potash.
 Farmers' Favorite.
 Three Ten Mixture.
 Two Ten Mixture.
 Two Eight Mixture.
 Acid Phosphate.
 Nitrate of Soda.
 Ground Tankage 6 & 20.
 Ground Tankage 10 & 15.

VIRGINIA-CAROLINA CHEMICAL CO. for resale by Rasin-Monumental Co.,
BALTIMORE, MD.

V. C. C. Co. Truck & Vegetable Super Phosphate.
V. C. C. Co. Royal Ammoniated Guano.
V. C. C. Co. Fish & Bone Mixture.
V. C. C. Co. Special Crop Formula.
V. C. C. Co. Ammoniated Special.
V. C. C. Co. Electric Ammoniated Super Phosphate.
V. C. C. Co. Star Crop Producer.
V. C. C. Co. Eureka Complete Guano Revised.
V. C. C. Co. Fish Bone & Potash Revised.
V. C. C. Co. Comet Grain Grower.
V. C. C. Co. Special Compound for Wheat.
V. C. C. Co. Champion Manure.
V. C. C. Co. 16 Per Cent. Acid Phosphate.
V. C. C. Co. 14 Per Cent. Acid Phosphate.
V. C. C. Co. Royal Acid Phosphate.
V. C. C. Co. Standard Crop Grower.

EMIL WALH MANUFACTURING CO., PHILADELPHIA, PA.

Emil Wahl's Warranted Pure Philadelphia Button Bone Meal.

ABRAHAM WALTEMYER, STEWARTSTOWN, PA.

Grain & Grass Grower.
Crop Grower.

FOR W. E. WHANN CO., By The American Agricultural Chemical Co., PHILA-
DELPHIA, PA.

Whann's Chester Valley No. 2 Ammoniated Superphosphate 1916.
Whann's Chester Valley Fish & Potash Fertilizer 1916.
Whann's Chester Valley Potato & Truck Special 1916.
Whann's Chester Valley Special Potato & Truck Fertilizer 1916.
Whann's Chester Valley High Grade Truck Manure 1916.
Whann's Chester Valley Cabbage & Cauliflower Manure 1916.
Whann's Chester Valley Nitrate Mixture for Top Dressing 1916.
Whann's Chester Valley Special Ammoniated Superphosphate 1916.
Whann's Chester Valley Available Ammoniated Superphosphate 1916.

WITHERBEE, SHERMAN & CO., PORT HENRY, N. Y.

Barium-Phosphate.

THE ROBERT A. WOOLDRIDGE CO., BALTIMORE, MD.

Wooldridge's Florida Acid Phosphate.
Wooldridge's High Grade Acid Phosphate.
Wooldridge's Farmer's Favorite Cereal Compound 1916.
Wooldridge's Ammoniated Phosphate.
Wooldridge's Champion Stag Phosphate 1916.
Wooldridge's Old Fidelity Phosphate.
Wooldridge's Common Sense Super-Phosphate.
Wooldridge's Triumph Brand Phosphate 1916.
Wooldridge's Chieftain Phosphate 1916.
Wooldridge's Special Potato & Tobacco Fertilizer 1916.
Wooldridge's Double Quick Phosphate 1916.
Wooldridge's High Grade Ammoniated Potash Fertilizer 1916.

THE WOOLDRIDGE FERTILIZER COMPANY, BALTIMORE, MD

Wooldridge' Special No. 1.

Tiger Phosphate.

Old Hickory Phosphate.

Clover Leaf Crop Grower.

YORK CHEMICAL WORKS, YORK, PA.

Dempwolf's Raw Bone Meal.

Dempwolf's Pure Ground Bone.

Dempwolf's Dissolved Animal Bone.

Dempwolf's Top Dresser.

Dempwolf's Early Trucker.

Dempwolf's Potato & Truck.

Dempwolf's Spring Special.

Dempwolf's Corn & Oats.

Dempwolf's R. B. Special.

Dempwolf's Royal Mixture.

Dempwolf's Red Cross.

Dempwolf's Crop Grower.

Dempwolf's Codorus Brand.

Dempwolf's Prosperity.

Dempwolf's Black Cross.

Dempwolf's Two-Eight-One.

Dempwolf's Plow Brand.

Dempwolf's Harvest Queen.

Dempwolf's Half & Half.

Dempwolf's York Special.

Dempwolf's Dauphin Brand.

Dempwolf's Golden Sheaf.

Dempwolf's Superphosphate.

Dempwolf's Dissolved Phosphate.

Dempwolf's High Grade Tankage.

Nitrate of Soda.

THE C. A. YOUNG CO., JOHNSTOWN, PA.

B. B. Brand Packing House Fertilizer.

LIST OF LIME PRODUCERS AND BRANDS OF THEIR PRODUCTS FOR WHICH LICENSE TO SELL IN PENNSYLVANIA DURING 1916 WAS TAKEN OUT PRIOR TO AND INCLUDING FEBRUARY 21, 1916.

ACME PULVERIZING AND STONE CO., LTD., LEBANON, PA.

B. B. Brand Ground Limestone.

ALMEDIA QUARRY CO., ALMEDIA, PA.

Fresh Burned Run of Kihn Lump Lime.

THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK CITY

Superior Agricultural Lime.

Fine Ground Nova Scotia Plaster.

AMERICAN LIME & STONE COMPANY, TYRONE, PA.

No. 1 Agricultural Lime.

No. 2 Agricultural Lime.

Forkings.

Agricultural Ground Lime.

Hydra-Oxide of Lime for Agricultural Use.

Agricultural Ground Limestone 12 x 24 wire.

T. N. ARTLEY, MUNCY, PA. R. No. 2.

Freshly Burned Lump Lime.

F. M. BAKER, HUEFNER, PA.

Burned Ground Lime.

J. E. BAKER CO., YORK, PA.

Victor Ground Limestone.

Victor Fine Ground Burned Lime.

Victor Burned Lump Lime.

Empire Burned Lump Lime.

Empire Slaked Lime.

BEAVER VALLEY LIME CO., ELLWOOD CITY, PA.

Beaver Lump Lime.

Beaver Ground Lime.

Beaver Hydrated Lime.

BESSEMER LIMESTONE COMPANY, YOUNGSTOWN, OHIO.

Bessemer Pulverized Limestone.

BLAIR LIMESTONE CO., MARTINSBURG, W. VA.

Lime Screenings.

Opequon Hydrated Lime.

Martinsburg Granulated Lime.

J. G. BOWER, MONTOURSVILLE, PA.

"Bluestone" Lump Lime

WALTER T. BRADLEY, PHILADELPHIA, PA

Lump Lime.

W. M. BULL, MUNCY, PA. R. No. 2.

Freshly Burned Lump Lime.

JOHN T. BURKET, HYNDMAN, PA.

Peerless.

THE CARBON LIMESTONE CO., YOUNGSTOWN, OHIO

Carbon Limestone.

CENTRE COUNTY LIME CO., BELLEFONTE, PA.

Pure Hydrated Drilling Lime.

Agricultural Lime.

CLIMAX LIME & STONE COMPANY, WICK, PA.

Lump Lime.

Ground Burned Lime.

Hydrated Lime.

CLYDESDALE BRICK & STONE CO., PITTSBURGH, PA.

Pulverized Agricultural Limestone.

THE COLUMBIA PRODUCTS COMPANY, CLEVELAND, OHIO.

Plant Lime, Manufactured Carbonate.

F. E. CONLEY LIME & FERTILIZER CO., UTICA, N. Y.

Raw Ground Lime (Ground Limestone).

CONNEAUT LAKE MARL CO., HARMONSBURG, PA.

Conneaut Marl-Lime.

CORNWALL ORE BANK COMPANY, CORNWALL, PA.

Cornwall.

G. & W. H. CORSON, PLYMOUTH MEETING, PA.

Corson's Prepared Lime (Hydrated).

Ground Lime.

Run of Kiln Lime.

Fine Lime (Partially Slaked Refuse Lime).

CRESENT PORTLAND CEMENT CO., WAMPUM, PA.

Ground Lime.
Lump Lime.
Hydrated Lime.

DIETRICK BROTHERS, READING, PA.

Dietrick's Medal Brand Hydrated Lime.

EMIG LIME CO., HELLAM, PA.

Emig Agricultural Lime.

THE ENTERPRISE LIME & BALLAST CO., HYNDMAN, PA.

Lump Lime (Run of the Kilns).
Granulated Lime. (Sacked).

THE FRANKLIN MFG. CO., STONEBORO, PA.

Franklin Brand.

GROVE CITY LIMESTONE CO., GROVE CITY, PA.

Burnt Lump Lime.
Burnt Ground Lime.
Hydrated Lime (Clover Brand).

M. J. GROVE LIME CO., LIME KILN, MD.

Famous Frederick County Agricultural Lime.
Pulverized Limestone.

CHAS. BURDETT HART, LANCASTER, PA.

"Calcarb" (Pulveried Limestone).

INDUSTRIAL CHEMICAL CO., NEW YORK CITY.

I. C. Co. Precipitated Agricultural Lime.

INTERNATIONAL AGRICULTURAL CORPORATION—CALEDONIA MARL
BRANCH, BUFFALO, N. Y.

Lime Carbonate—Marl.

G. W. JOHNSON LIMESTONE CO., NEW CASTLE, PA.

Johnson's Pulverized Limestone.

KEASBEY & MATTISON COMPANY, AMBLER, PA.

Agricultural Lime (Artificial Carbonate of Lime).

LUTHER KELLER, SCRANTON, PA.

Keller Lump Lime.

THE KELLEY ISLAND LIME & TRANSPORT CO., CLEVELAND, OHIO.

Tiger Brand Agricultural Hydrated Lime.
 Tiger Brand Agricultural Ground Quicklime.
 Tiger Brand Agricultural Ground Limestone.

THE KEYSTONE PLASTER CO., CHESTER, PA.

Land Plaster (Gypsum).

SAMUEL KIEHL, URBAN, PA.

Lime.

HENRY KILGUS, MUNCY, PA., R. NO. 5.

Freshly Burned Lump Lime.

KNICKERBOCKER LIME COMPANY, PHILADELPHIA, PA.

Hydrated Lime.
 Ground Lime.
 Run of Kiln Lime.
 Ground Limestone.

L. F. KOCH, MONTTOURSVILLE, PA.

"Verigood" Lime.

LANDIS STONE MEAL CO., RHEEMS, PA.

Landis Stone Meal.

E. J. LAVINO & CO., PHILADELPHIA, PA.

"White Marsh" Pulverized Limestone.

S. H. LENHART SONS, WEST LEESPORT, PA.

Bulk Lime.

E. W. LIGHT, HYDNMAN, PA.

Lump Lime (Run of the Kilns).

LOW BROTHER & CO., LIME RIDGE, PA.

Standard Grade A. Run of Kiln Lime.
 Selected Grade B. Run of Kiln Lime.

MERION LIME & STONE COMPANY, NORRISTOWN, PA.

Hydrated Lime.
 Run of Kiln.
 Ground Fresh Lime.

GEO. P. MILLER, Doing Business as SHIKELIMO LIME COMPANY, LEWISBURG, PA.

Shikelimo Agricultural Lime.

MOUNT UNION LIME CO., MOUNT UNION, PA.

Agricultural Lime-Run of Kiln.

MYERS & PECK, DUNCANSVILLE, PA.

Agricultural Lime.

W. E. McCONNELL, HUGHESVILLE, PA.

Freshly Burned Lump Lime.

NEW CASTLE LIME, BRICK & SUPPLY CO., NEW CASTLE, PA.

Hydrated Lime.

Burnt Lump Lime.

Ground Burned Lime.

NORTHERN CENTRAL LIME COMPANY, WILLIAMSPORT, PA.

LYCO Agricultural Lump Lime.

LYCO Agricultural Hydrated Lime.

NORWICH CHEMICAL CO., EAST SMETHPORT, PA.

Norwich Carbonate of Lime.

OHIO FARMERS LIME CO., CLEVELAND, OHIO.

Ohio Farmers Lime.

THE OHIO & WESTERN LIME CO., HUNTINGTON, IND.

Ground Quick Agricultural Lime.

Hydrated Agricultural Lime.

THE PALMER LIME & CEMENT CO., NEW YORK CITY.

Challenge Brand Hydrated Lime.

Ground Limestone.

Snow Flake Hydrated Lime.

THE PARAGON PLASTER AND SUPPLY CO., BLOOMSBURG, PA.

Paragon Hydrated Lime.

W. L. PARTNER & SON, MIFFLIN, PA.

Partner's Burnt Ground Lime.

PHILADELPHIA LIME COMPANY, INC., PHILADELPHIA, PA.

Hydrated Lime.

M. B. REEDER, MUNCY, PA.

Freshly Burned Chippewa Lump Lime.

ROSE POINT STONE & LIME CO., NEW CASTLE, PA.

Peerless Hydrated Lime.
 Rose Point Hydrated Lime.
 Rose Point Ground Burned Lime.
 Rose Point Burned Lump Lime.

MARSHALL RUTHERFORD, HARRISBURG, PA.

Beaver Creek-Ground Lime.
 Beaver Creek-Lump Lime.

RUTHERFORD BROTHERS, PAXTANG, PA.

Run of Kiln Lime.

SECURITY CEMENT & LIME CO., HAGERSTOWN, MD.

Berkeley Hydrated Lime (Calcium and Magnesium Hydroxide 95 per cent.).
 Berkeley Ground Lime.
 Berkeley Ground Limestone (Carbonate of Lime 80 per cent.).

THE SCIOTO LIME & STONE CO., DELAWARE, OHIO.

"Clover Grower"—Hydrate.
 "Carbo Hydrate"—Lime Carbonate.

AARON SHAFFER, URBAN, PA.

Lime.

H. L. SHAFFER HIGH GRADE LIME CO., CRANBERRY, PA.

Lime.

SHEFFY AND ELLIOTT, ANNVILLE, PA.

Hydrated Agricultural Lime.
 Lump Lime.

SHENANGO LIMESTONE CO., LEETONIA, OHIO.

Shenango.

THE STANDARD LIME & STONE CO., BALTIMORE, MD.

Standard Finely Ground Limestone.
 Standard Coarse Ground Limestone.

THE STANDARD LIME & STONE COMPANY, BUCKEYSTOWN, MD.

Standard Lime.
 Standard Hydrated Lime.
 Ground Lime.

STEACY & WILTON COMPANY, WRIGHTSVILLE, PA.

"Sterling" Brand Hydrated Lime.
 Pulverized Fresh Burned Lime.
 Run-of-Kiln Agricultural Lime.
 Pulverized Limestone.

ISRAEL STETTLER, TREXLERTOWN, PA.

Burned Lime.

BENJAMIN STONER, HELLAM, PA.

Empire Burned Lump Lime.

Empire Slaked Lime.

M. STUTZ, MONTOURSVILLE, PA., R. F. D.

Montour Lime.

THOMASVILLE STONE & LIME CO., THOMASVILLE, PA.

Ground Limestone.

Lump Lime.

Ground Agricultural Lime (partly air slaked).

TIDEWATER PORTLAND CEMENT COMPANY, BALTIMORE, MD.

Tidewater Hydrated Lime.

Tidewater Lump Lime.

VANCE COMPANY, WINFIELD, PA.

Shoveled "Dry Valley" Lime.

Forked "Dry Valley" Lime.

CHARLES WARNER COMPANY, WILMINGTON, DEL.

Limoid (Hydrated Lime).

Pulverized Burnt Lime.

Pulverized Limestone Cedar Hollow.

Run-of-Kiln Lump Lime.

Pulverized Limestone McCoy.

Warner's 50-50 Lime.

GRANT M. WEIK, LEBANON, PA. R. NO. 5.

Lauber Lime.

WEST BRANCH LIME CO., WILLIAMSPORT, PA.

"Sussock" Lump Lime.

FRANK WILLIAMSON, PHILADELPHIA, PA.

Avondale Crushed Limestone NO. 20 MESH.

YORK VALLEY LIME COMPANY, YORK, PA.

York Valley Chemical Lime "Spraying."

York Valley Chemical Lime for Agricultural Purposes.

THE SOL. ZIMMERMAN FARMS & QUARRY, HIGHSPIRE, PA.

Zimmerman's Agricultural Lime.

